

**FINISHING PROPERTIES OF PINE SPECIES FROM WOOD  
PALLET BY USING NITROCELLULOSE LACQUER WITH  
DIFFERENT FINISHING SYSTEMS AND GRITS OF ABRASIVE  
PAPER**

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
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## **ABSTRACT**

### **FINISHING PROPERTIES OF PINE SPECIES FROM WOOD PALLET BY USING NITROCELLULOSE LACQUER WITH DIFFERENT FINISHING SYSTEMS AND GRITS OF ABRASIVE PAPER**

Finishing is the last process in furniture manufacturing and it is important process that will determine the quality of a furniture. Finishing is used to provide protection, help maintain and enhance the appearance and provide cleanability to wood product. In this study, the finishing properties of Pine species from wood pallet by using nitrocellulose lacquer with different finishing systems and grits of abrasive paper were ascertained. There are two finishing system which is system A and system B. System A consist of double layer of sealer and single layer of topcoat meanwhile system B consist of single layer of sealer and double layer of topcoat and for grits of abrasive paper the grit 150 and grit 320 been used in this study. Three types of finishing testing were applied to all samples which were cross-cut test, heat resistant test and household test. This study used ASTM and BS for the standard testing and procedures. The result revealed that system A had better finishing quality compared to system B due to double layer of sealer that give better protection to Pine wood surface and for abrasive paper it better to use grit 320 because it has finer surface than grit 150.